



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In Re the Application of: | |
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|) | Art Unit: 3621 |
| Makoto Saito | T |
| Application No.: 09/476,334) | Examiner: Abo |
| Filed: January 3, 2000 | I hereby certify that t the United States Pos |
|) For: DATA COPYRIGHT MANAGEMENT) | postage in an envelop P.O. Box 1450, Alexa |
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Mail Stop RCE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1460 Examiner: Abdi, Kambiz

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

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August 30, 2006

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INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Sir:

In accordance with the duty of disclosure, enclosed is a copy of the Information / Disclosure Statement by Applicant (PTO Form 1449), which is being submitted after the mailing of the First Office Action. It is respectfully requested that the cited documents be considered and that the enclosed copy of PTO Form 1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to Applicant(s).

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

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This Information Disclosure Statement is being submitted pursuant to 37 C.F.R. 1.97(c). Please charge Deposit Account 50-3703 for the fee set forth in §1.17(p). An RCE Transmittal Form is enclosed for this purpose.

Respectfully submitted,

BERKELEY LAW AND TECHNOLOGY GROUP

Dated: August 30, 2006 /James J. Lynch Reg. No. 50,153/

James J. Lynch Reg. No. 50,153

Customer No. 00043831

Berkeley Law and Technology Group 1700 NW 167th Place, Suite 240 Beaverton, OR 97006 503.439.6500

FORM PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

DOCKET NUMBER 012.P11004C

APPLICATION NUMBER 09/476,334

APPLICANT(S)
Makoto Saito

FILING DATE
January 30, 2000

GROUP ART UNIT 3621

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FIL. DATE IF APPROP. |
|---------------------|--------------------|------------|--------------|-------|--------------|-------------------------|
| | 7,093,295 | 8/15/2006 | Saito | | | |
| | 11/496,777 | 7/31/2006 | Saito | | | • |
| | 11/491,400 | 7/20/2006 | Saito | | | |
| | 11/480,690 | 7/3/2006 | Saito | | | |
| | 11/446,604 | 6/1/2006 | Saito | | | |
| | 11/441,973 | 5/25/2006 | Saito | | | |
| | 7,036,019 | 4/25/2006 | Saito | | | |
| | 11/404,124 | 4/12/2006 | Saito | | | |
| | 2005-0262023 | 11/24/2005 | Saito | | | |
| | 6,874,089 | 3/29/2005 | Dick et al. | | | |
| | 6,851,053 | 2/1/2005 | Liles et al. | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS | TRANS YES | LATION NO |
|--------------------|------------|---------|-------|--------------|--------------|--------------|
| EP0709760E | 5/31/2006 | EP | | | X | |
| EP0581227E | 9/21/2005 | EP | | | Χ . | |
| EP0746126B | 12/22/2004 | EP | | | X | |

OTHER DOCUMENTS

Harn, Lein, et al., "Software Authentication System for Information Integrity" Computers & Security International Journal Devoted to the Study of Technical and Financial Aspects of Computer Security, vol. II, Dec. 1, 1992, pp. 747-752, XP000332279.

Lennil, P. "The IBM Microkernel Technology," OS/2 Developer, vol. 5, Nov. 1, 1993 (pp. 70-72, 74) XP000672962.

Tatsuaki Okamoto, "Universal Electronic Cash", Technical Report of Institute of Electronics, Information and Communication Engineers (IEICE) July 15, 1991, Vol. 91, No. 127, Pages 39-47.

EXAMINER

DATE CONSIDERED

| FORM PTO- | 1449 | | I | CKET NUMBER 12.P11004C | | | LICATI 476,33 | on nun 4 | MBER |
|---------------------|-------------------------------------|------------|------|----------------------------|-----|------------|---------------------------------------|-------------|-------------------------|
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| | | U.S. PAT | ENT | DOCUMENTS | | | · · · · · · · · · · · · · · · · · · · | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | , | NAME | | CLAS | | UB ASS | FIL. DATE IF APPROP. |
| | 6,789,197 | 9/7/2004 | Sai | ito | | | | | |
| | 6,744,894 | 6/1/2004 | Sai | ito | | | | | |
| | 6,741,991 | 5/25/2004 | Sai | ito | | | | | |
| | 6,721,887 | 4/13/2004 | Sai | ito | | | | | |
| | 6,603,864 | 8/5/2003 | Ma | itsunoshita | | | | | |
| | 2003-0144963 | 7/31/2003 | Sai | to | | | | | |
| | 6,560,339 | 5/6/2003 | Iwa | amura | | | | | |
| | 6,519,623 | 2/11/2003 | Ma | ncisidor | | | | | |
| | 2003-0144963 | 1/16/2003 | Sai | to | | | | | |
| | 6,463,536 | 10/8/2002 | Sai | to | | | | | |
| | 6,449,717 | 9/10/2002 | Sai | to | | | | | |
| | | FOREIGN PA | ATE | NT DOCUMEN | TS | | | | |
| | DOCUMENT NUMBER | DATE | | COUNTRY | CLA | ss | SUB CLASS | TRA YES | ANSLATION NO |
| | EP0715241B1 | 1/14/2004 | EP | | | | | X | |
| | EP0704785B1 | 11/19/2003 | EP | | | | | X | |
| | EP0719045B1 | 10/29/2003 | EP | | | | | X | |
| | | OTHER | R DC | CUMENTS | | | | | |
| | | | | | | | | | , |
| | | , | - | | | | • | | |
| | | | | | | | | | |
| EXAMINER | | | | DATE CONSIDERED | | | | | |

| FORM PTO- | 1449 | · | DOCKET NUMBER APPLICATION NUMBER 012.P11004C 09/476,334 | | | | | | |
|---------------------|-------------------------------------|------------|---|-----|--------------|-------------|------------|----------|----------|
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| | | U.S. PAT | ENT DOCUMENTS | S | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | | CLASS | | UB .ASS | FIL. D. | |
| | 6,438,694 | 8/20/2002 | Saito | | | | · | | |
| | 2002-0122173 | 8/15/2002 | Saito | | | | | | |
| | 6,424,715 | 7/23/2002 | Saito | | | | | | |
| | 6,415,271 | 7/2/2002 | Turk et al. | | | | | | |
| | 6,408,390 | 6/18/2002 | Saito | | | | | | |
| | 10/170,677 | 6/13/2002 | Saito | | | | | | |
| | 2002-0052850 | 5/2/2002 | Saito | | | | | | |
| | 2002-0021807 | 2/21/2002 | Saito | | | | | | |
| | 10/013,507 | 12/13/2001 | Saito | | | | | | |
| | 09/985,279 | 11/2/2001 | Saito | | | | | | |
| | 6,272,635 | 8/7/2001 | Saito | | | | | | |
| | 6,226,618 | 5/1/2001 | Downs et al. | | | | | | |
| | | FOREIGN PA | ATENT DOCUMEN | NTS | | | , , | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLA | | SUB LASS | YES | RANSLATI | NO NO |
| | EP0677949B1 | 5/28/2003 | EP | | | | X | | |
| | WO9750036. | 12/31/1997 | PCT | | | | X | | |
| | EP0813133A2 | 12/17/1997 | EP | | | | X | | |
| | | ОТНЕР | R DOCUMENTS | | | | | | |
| | | | | | | | | | |
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| EXAMINER | | | DATE CONSIDERED | | | | | | |

| FORM PTO-1 | 449 | DOCKET NUMBER 012.P11004C | 1 | applic. 09/476 | | n nume | BER | | | |
|---------------------|-------------------------------------|------------------------------|---------------------------------|-------------------|---------------|-------------|------|------------------------|--|--|
| l. | FORMATION DISCL ATION IN AN APPL | | APPLICANT(S) Makoto Saito | | | | | | | |
| | - | | FILING DATE January 30, 2000 | | group 3621 | ART | UNIT | | | |
| | | U.S. PAT | ENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | | CLASS | SUE CLAS | | FIL. DATE F APPROP. | | |
| | 6,209,092 | 3/27/2001 | Linnartz | | | | | | | |
| | 6,182,218 | 1/30/2001 | Saito | | | | | | | |
| | 6,160,891 | 12/12/2000 | Al-Salqan | | | | | | | |
| | 6,128,605 | 10/3/2000 | Saito et al. | | | | | | | |
| | 09/665,902 | 9/20/2000 | Saito | | | | | | | |
| | 6,097,818 | 8/1/2000 | Saito | | | | | | | |
| | 6,097,816 | 8/1/2000 | Saito | | | | | | | |
| | 6,091,835 | 7/18/2000 | Smithies et al. | | | | | | | |
| | 6,081,794 | 6/27/2000 | Saito | | | | | | | |
| | 6,076,077 | 6/13/2000 | Saito | | | | | | | |
| | 6,069,952 | 5/30/2000 | Saito | | | | | | | |
| | | FOREIGN PA | ATENT DOCUMEN | TS | | | | | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | S SU. | | TRAN | SLATION NO | | |
| | EP0398645B1 | 8/6/1997 | EP | | | | X | | | |
| | EP0438154B1 | 7/16/1997 | EP | | | | X | | | |
| | EP0489385B1 | 3/19/1997 | EP | | | | X . | | | |
| | | OTHE | R DOCUMENTS | | | | | • | | |
| | | | · | | | | | | | |
| | - | | | | | | | | | |
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| FORM PTO- | ORM PTO-1449 INFORMATION DISCLOSURE | | | OCKET NUMBER 012.P11004C | - | 1 | PLIC /476 | | ON NI 4 | JMBI | ER |
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| | FORMATION DISCL ATION IN AN APPL | | | PPLICANT(S) Makoto Saito | | <u> </u> | | | | | |
| | · | | | FILING DATE GROUP ART UNIT January 30, 2000 3621 | | | | | | | |
| | | U.S. PAT | EN | T DOCUMENTS | | | | | | | · · · · · · · · · · · · · · · · · · · |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | | NAME | | CLA | ss | SU CL/ | ЛВ ASS | | L. DATE APPROP. |
| | 6,044,367 | 3/28/2000 | V | olff | | | - | | | | |
| | 6,026,430 | 2/15/2000 | В | utman et al. | | | | | | | |
| | 6,006,328 | 12/21/1999 | D | rake | | | | | | | _ |
| | 6,002,772 | 12/14/1999 | S | aito | | | | | | | |
| | 5,986,690 | 11/16/1999 | Н | endricks | | | | | | | |
| | 5,974,141 | 10/26/1999 | S | aito | | | | | | | |
| | 5,968,175 | 10/19/1999 | M | Morishita et al. | | | | | | | |
| | 09/362,955 | 7/30/1999 | S | aito | | | | | | | |
| | 5,912,969 | 6/15/1999 | S | asamoto et al. | | | | | | | |
| | 5,910,987 | 6/8/1999 | G | inter et al. | | | | | | | |
| | 5,901,339 | 5/4/1999 | S | aito | | | | | | , | |
| | | FOREIGN PA | 4T] | ENT DOCUMENT | ΓS | | | | | | |
| | DOCUMENT NUMBER | DATE | | COUNTRY | CL | ASS | SU CLA | | YES | | ATION NO |
| | EP0506435B1 | 10/23/1996 | E | P | | | | | X | | |
| | WO9627259 | 9/6/1996 | P | CT | | | | | X | | |
| | EP0450841B1 | 8/21/1996 | E | P | | | | | X | | |
| | | OTHE | R D | OCUMENTS | | | | | | | |
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| FORM PTO-1 | 449 | | DOCKET N 012.P11 | | | PPLICAT 9/4 7 6,33 | | MBER |
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| | ., | U.S. PAT | ENT DOC | UMENTS | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | | NAME | CL | | SUB LASS | FIL. DATE IF APPROP. |
| | 5,889,868 | 3/30/1999 | Moskowi | tz | | | | |
| | 5,867,579 | 2/2/1999 | Saito | | | | | |
| | 5,864,683 | 1/26/1999 | Boebert e | t al. | | | | |
| | 5,848,158 | 12/8/1998 | Saito | | | | | |
| | 5,848,155 | 12/8/1998 | Cox | | | | | |
| | 5,841,886 | 11/24/1998 | Rhoads | . " | | | | - |
| | 5,835,765 | 11/10/1998 | Matsumo | to | | | | |
| | 5,835,601 | 11/10/1998 | Shimbo e | t al. | | | | |
| | 5,832,083 | 11/3/1998 | Iwayama | et al. | | | | |
| | 5,825,892 | 10/20/1998 | Braudawa | ny | | | | |
| | 5,818,933 | 10/6/1998 | Kambe et | al. | | | | |
| | | FOREIGN PA | ATENT DO | CUMENT | S | | | |
| | DOCUMENT NUMBER | DATE | co | UNTRY | CLASS | SUB CLASS | TR/ YES | ANSLATION NO |
| 1 | WO9623257; | 8/1/1996 | PCT | | | | X | |
| J | JP8185448 | 7/16/1996 | JP | | | | X | |
| I | EP0715243 | 6/5/1996 | EP | | | | X | |
| | | OTHE | R DOCUM | ENTS | | | | |
| | | | | | | | | |
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| EXAMINER | | | DATE CO | NSIDERED | | | | |
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| FORM PTO-1 | 449 | | DOCKET NUMBER APPLICATION NUMBER 012.P11004C 09/476,334 | | | | | | ER | |
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| | ORMATION DISCI ATION IN AN APPL | | APPLICANT(S) Makoto Saito | | | | | | | |
| | | | FILING DATE January 30, 2000 | | GROUP ART UNIT 3621 | | | | | |
| | | U.S. PAT | ENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | | CLASS | | UB ASS | | L. DATE APPROP. | |
| | 5,812,762 | 9/22/1998 | Kim | | | | | | | |
| | 5,794,115 | 8/11/1998 | Saito | | | | | | | |
| | 5,771,383 | 6/23/1998 | Magee et al. | | | | | | | |
| | 5,765,176 | 6/9/1998 | Bloomberg | | | | | | | |
| | 5,765,152 | 6/9/1998 | Erickson et al. | | | | | | | |
| | 5,745,572 | 4/28/1998 | Press | | | | | | | |
| | 5,740,246 | 4/14/1998 | Saito | | | | | | | |
| | 5,715,393 | 2/3/1998 | Naugle | | | | | | | |
| | 5,706,210 | 1/6/1998 | Kumano et al. | | | | | | | |
| | 5,689,587 | 11/18/1997 | Bender | | | | | | | |
| | | FOREIGN PA | ATENT DOCUMEN | TS | | | | | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLAS | | UB ASS | YES | transl S | ATION NO | |
| | WO9613113 | 5/2/1996 | PCT | | | | X | | | |
| | JP7271865 | 10/20/1995 | JP | | | | X | | | |
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| | | ОТНЕ | R DOCUMENTS | | • | | • | | | |
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| FORM PTO-1 | 449 | | DOCKET NUMBER 012.P11004C | | PPLIC 9/476 | | N NUM | IBER |
|---------------------|------------------------------------|------------|------------------------------|-------|----------------|-----------|------------|---------------------------------------|
| | ORMATION DISCL ATION IN AN APPL | | APPLICANT(S) Makoto Saito | | | | | |
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| | | U.S. PAT | ENT DOCUMENTS | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | С | LASS | SU CLA | | FIL. DATE IF APPROP. |
| | 5,680,452 | 10/21/1997 | Shanton | | | | | |
| | 5,666,411 | 9/9/1997 | McCarty | | | | | |
| | 5,651,064 | 7/22/1997 | Newell | | | | | |
| | 08/895,493 | 7/16/1997 | Saito | | | | | |
| | 5,646,999 | 7/8/1997 | Saito | | | | | |
| | 5,646,997 | 7/8/1997 | Barton | | | | | |
| | 5,642,418 | 6/24/1997 | Farris et al. | | | | | |
| | 5,636,277 | 6/3/1997 | Nagahama | | | | | |
| | 5,633,934 | 5/27/1997 | Hember | | | | | |
| | 08/846,661 | 5/1/1997 | Saito . | | | | | · · · · · · · · · · · · · · · · · · · |
| · | 5,606,613 | 2/25/1997 | Lee | | | | | ٠ |
| | | FOREIGN PA | ATENT DOCUMENT | ΓS | | | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SU CLA | | TRA YES | nslation NO |
| | EP0430734B1 | 9/27/1995 | EP | | | | X | |
| | EP0665486 | 8/2/1995 | EP | | | | X | |
| | WO 9520291 | 7/27/1995 | PCT | | | | X | |
| | | ОТНЕ | R DOCUMENTS | | | | | |
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| | | U.S. PAT | ENT DOCUMENTS | S | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | | CLASS | | L. DATE APPROP. | | | |
| | 5,606,609 | 2/25/1997 | Houser et al. | | | | | | | |
| | 5,604,800 | 2/18/1997 | Johnson et al. | | | | | | | |
| | 5,584,023 | 12/10/1996 | Hsu | | · | | | | | |
| | 5,577,121 | 11/19/1996 | Davis et al. | | | | | | | |
| | 08/733,504 | 10/18/1996 | Saito | | | | | | | |
| | 5,553,145 | 9/3/1996 | Micali | | | | | | | |
| | 5,515,538 | 5/7/1996 | Kleiman | | | | ' | | | |
| | 5,515,441 | 5/7/1996 | Faucher | | | | | | | |
| | 5,511,121 | 4/23/1996 | Yacobi | | | | | | | |
| | 5,509,074 | 4/16/1996 | Choudhury et al. | | | | | | | |
| | | FOREIGN PA | ATENT DOCUMEN | NTS | | | | | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLA | | UB .ASS | 1 | | ATION NO | |
| | EP0649074 | 4/19/1995 | EP | | | | X | | .50 | |
| | JP7014045 | 1/17/1995 | JP | | | | X | | | |
| | EP0421808B1 | 12/28/1994 | EP | | | | X | | | |
| | | ОТНЕ | R DOCUMENTS | | | | · | | | |
| | | | | | | | | | | |
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| FORM PTO-1 | 449 | | DOCKET NUMBER 012.P11004C | I | APPLIO 09/47 | | | JMBER | |
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| | | U.S. PAT | ENT DOCUMENTS | S | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | | CLASS | | JB ASS | FIL. DATE IF APPROP. | |
| | 5,509,073 | 4/16/1996 | Monnin | | | | | | |
| | 5,504,933 | 4/2/1996 | Saito | | | | | | |
| - "." | 5,504,818 | 4/2/1996 | Okano | | | | | | |
| | 5,504,817 | 4/2/1996 | Shamir | | | | | | |
| | 5,504,816 | 4/2/1996 | Hamilton et al. | | | | | | |
| | 5,499,340 | 3/12/1996 | Barritz | | | | | | |
| | 5,497,420 | 3/5/1996 | Garneau et al. | | | | | | |
| | 5,495,533 | 2/27/1996 | Linehan et al. | | | | | | |
| | 5,485,577 | 1/16/1996 | Eyer et al. | | | | | | |
| | 5,479,514 | 12/26/1995 | Klonowski | | | | | | |
| | 5,475,758 | 12/12/1995 | Kikuchi | | | | | | |
| | | FOREIGN P. | ATENT DOCUMEN | NTS | | | | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | | UB ASS | YES | ranslation N | 10 |
| | JP631′8036 | 11/15/1994 | JP | | | | X | | |
| | JP6290087 | 10/18/1994 | JP | | | | X | | |
| | JP6269959 | 9/27/1994 | JP | | | | X | | |
| | , | ОТНЕ | R DOCUMENTS | | | | | | |
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| EXAMINER | <u> </u> | | DATE CONSIDERED | · | | | | | |

| FORM PTO-1449 | | | DOCKET NUMBER APPLICATION NUMBER 09/476,334 | | | | | | | | |
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| | ORMATION DISCL TION IN AN APPL | | APPLICANT(S) Makoto Saito | | | | | | | | |
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| | | U.S. PAT | ENT DOCUMENTS | | | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NA | - | CLASS SU | | | | L. DATE APPROP. | | |
| | 5,475,757 | 12/12/1995 | Kelly | | | | | | | | |
| | 5,465,299 | Matsumoto | et al. | | | | | | | | |
| | Dolphin | | | | | | | | | | |
| | 5,455,941 | 10/3/1995 | Okuno et al | l. | | | | | | • | |
| | Brown et al | l. | | | | | | | | | |
| | 5,453,601 9/26/1995 | | | | | | | | | | |
| | 5,450,493 | Maher | | | | | | | - | | |
| * | 5,444,782 | Adams, Jr. | et al. | | | | | | | | |
| | 5,444,779 | 8/22/1995 | Daniele et a | al. | | | | | | | |
| | 5,442,706 | 8/15/1995 | Kung | | | | | | | | |
| | 5,438,508 | 8/1/1995 | Wyman | | | | | | | | |
| | | FOREIGN PA | ATENT DOC | CUMENT | ΓS | | | | | | |
| | DOCUMENT NUMBER | DATE | COUN | TRY | CLASS | | UB ASS | T YES | | ATION NO | |
| | JP6264199 | 9/20/1994 | JP | | | | | X | | | |
| | JP6264201 | 9/20/1994 | JP | | | | | X | | | |
| | JP6242304 | 9/2/1994 | JP | | | | | X | | | |
| | | OTHER | DOCUME | NTS | | | | | | | |
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| U.S. PAT | | | ENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | | CLASS | | | | . DATE PPROP. | |
| | 5,428,685 | 6/27/1995 | Kadooka | | | | | | | |
| | 5,428,606 | 6/27/1995 | Moskowitz | | | | | | | |
| | 5,414,772 | Naccache et al. | | - | | | | | | |
| | 5,410,602 | 4/25/1995 | Finkelstein et al. | | | | | | | |
| | 5,400,403 | 3/21/1995 | Fahn et al. | | | | | | | |
| | 5,392,351 | 2/21/1995 | Hasebe et al. | | | | | | | |
| | 5,381,480 | 1/10/1995 | Butter et al. | | | | | | | |
| | 5,369,702 | 11/29/1994 | Shanton | | | | | | | |
| | 5,353,351 | 10/4/1994 | Bartoli et al. | | | | | | | |
| | 5,349,662 | 9/20/1994 | Johnson et al. | | | | | | | |
| | | FOREIGN PA | ATENT DOCUMEN | ΓS | | | | | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLA | | SUB CLASS | TR YES | ANSL | ation NO | |
| | JP6236147 | 8/23/1994 | JP | | | | X | | | |
| | JP6231536 | 8/19/1994 | JP | | | | X | | | |
| | JP6131806 | 5/13/1994 | JP | | | | X | | | |
| | | OTHER | R DOCUMENTS | | | | | | | |
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| | | U.S. PAT | EN | ENT DOCUMENTS | | | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | | NAME | | CLA | | | | DATE PPROP. | | |
| | 5,347,581 | 9/13/1994 | N | accache et al. | | | | | | | | |
| | 5,345,508 | 9/6/1994 | L | ynn et al. | | | | | | | | |
| | 5,341,425 8/23/1994 | | | asilewski et al. | | | | | | | | |
| | 5,323,464 6/21/1994 | | | lander et al. | | | | | | | | |
| | 5,319,705 | 6/7/1994 | Н | alter et al. | | | | | | | | |
| | 5,315,657 | 5/24/1994 | A | badi et al. | | | | | | | | |
| | 5,301,245 | 4/5/1994 | E | ndoh | | | | | | | | |
| | 5,291,598 3/1/1994 | | | rundy | | | | | | | | |
| | 5,247,575 | 9/21/1993 | S | orague et al. | | | | | | | | |
| | 5,235,641 | 8/10/1993 | N | ozawa et al. | | | | | | | | |
| | 5,224,163 | 6/29/1993 | G | asser et al. | | | | | | | | |
| | | FOREIGN PA | ΑTI | ENT DOCUMENT | ΓS | | | | | | | |
| | DOCUMENT NUMBER | DATE | | COUNTRY | CLA | ASS | SUB CLASS | YES | ATION NO | | | |
| | /JP6095591 | 4/8/1994 | JF |) | | | | X | | | | |
| | EP0590763 | 4/6/1994 | E | P | | | | X | | | | |
| | JP5334324 | 12/17/1993 | JF |) | | | | X | | | | |
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| | | U.S. PAT | ENT DOCUMENTS | | | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | | ЛВ ASS | FIL. DA IF APPR | | | | |
| | 5,220,604 | 6/15/1993 | Gasser et al. | | | | | | | | |
| | 5,204,961 | 4/20/1993 | Barlow | | | | | | | | |
| | 5,173,939 | 12/22/1992 | Abadi et al. | | | | | | | | |
| | 5,146,497 | 9/8/1992 | Bright | | | | | | | | |
| | 5,144,663 | 9/1/1992 | Kudelski et al. | | | | | | | | |
| | 5,142,579 | 8/25/1992 | Anderson | | | | | | | | |
| | 5,138,659 | 8/11/1992 | Kelkar et al. | | | | | | | | |
| | 5,126,566 | 6/30/1992 | Shimada | | | | | | | | |
| | 5,091,938 | 2/25/1992 | Thompson et al. | | | | | | | | |
| | 5,083,309 | 1/21/1992 | Beysson | | | | | | | | |
| | 5,060,262 | 10/22/1991 | Bevins, Jr. et al. | | | | | | | | |
| | , | FOREIGN PA | ATENT DOCUMEN | ITS | | | | | | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLAS | | UB .ASS | YES | TRANSLATION S N | | | |
| | JP5327693 | 12/10/1993 | JP | | | | X | | | | |
| | JP5324936 | 12/10/1993 | JP | | | | X | | | | |
| | JP5316102 ⁻ | 11/26/1993. | JP | | | | X | | | | |
| • | | ОТНЕ | R DOCUMENTS | | | | | | | | |
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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | | NAME | | CLASS | | UB ASS | FIL. DATE IF APPROP. | | | | |
| | 5,046,093 | 9/3/1991 | V | Vachob | | | | | | | | | |
| | 5,036,461 | 7/30/1991 | Е | lliott et al. | | | | | | | | | |
| | 5,029,207 | G | ammie | | | | | | | | | | |
| | 4,995,080 | В | estler et al. | | | | | | | | | | |
| | 4,977,594 | 12/11/1990 | S | hear | | | | | | | | | |
| | 4,919,545 | 4/24/1990 | Y | u | | | | | | | | | |
| | 4,916,737 | 4/10/1990 | C | homet et al. | | | | | | | | | |
| | Re 33,189 | 3/27/1990 | L | ee et al. | | | | | | | | | |
| | 4,905,277 | 2/27/1990 | N | akamura | | | | | | | | | |
| | 4,890,321 | 12/26/1989 | S | eth-Smith et al. | | | | | | | | | |
| | 4,890,319 | 12/26/1989 | S | eth-Smith el al. | | | | | | | | | |
| | | FOREIGN PA | AT! | ENT DOCUMENT | rs | | | | | | | | |
| | DOCUMENT NUMBER | DATE | | COUNTRY | CLA | | SUB LASS | TRA YES | NSLATION NO | | | | |
| | JP5276476 . | 10/22/1993 | JF |) | | | - | X | | | | | |
| | JP5122701 | 5/18/1993 | JF |) | | | | X | | | | | |
| | WO9307715 | .4/15/1993 | P | СТ | | | | X | | | | | |
| | | ОТНЕГ | R D | OCUMENTS | | | | | | | | | |
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| | | U.S. PAT | ENT DOCUMENTS | | | | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CI | | SUB CLASS | FIL. DATE IF APPROP. | | | | | |
| | 4,864,615 | 9/5/1989 | Bennett et al. | | | | | | | | | |
| | 4,864,614 | 9/5/1989 | Crowther | | | | | | | | | |
| v | 4,864,494 | 9/5/1989 | Kobus, Jr. | | | | | | | | | |
| | 4,862,268 | 8/29/1989 | Campbell et al. | | | | | | | | | |
| | 4,852,154 | 7/25/1989 | Lewis et al. | | | | | | | | | |
| | 4,850,017 | 7/18/1989 | Matyas et al. | | | | | | | | | |
| | 4,829,569 | 5/9/1989 | Seth-Smith et al. | | | | | | | | | |
| | 4,827,508 | 5/2/1989 | Shear | | | | | | | | | |
| | 4,799,156 | 1/17/1989 | Shavit et al. | | | | | | | | | |
| | 4,791,565 | 12/13/1988 | Dunham | | | | | | | | | |
| | 4,759,062 | 7/19/1988 | Traub et al. | | | | | | | | | |
| · · · · · · · · · · · · · · · · · · · | | FOREIGN P | ATENT DOCUMEN | TS | | | | | | | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS | YES | ranslation NO | | | | | |
| | JP5075597 | 3/26/1993 | JP | | | X | | | | | | |
| | JP5063142 | 3/12/1993 | JP | | | X | | | | | | |
| | JP5056037 | 3/5/1993- | JP | | | X | | | | | | |
| | | OTHE | R DOCUMENTS | | | | | | | | | |
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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | | NAME | | | | ЛВ ASS | | L. DATE APPROP. | | | |
| | 4,757,534 | 7/12/1988 | M | latyas et al. | | | | | | | | | |
| | 4,751,732 | 6/14/1988 | K | amitake | | | | | | | | | |
| 4,736,422 4/5/1988 | | | | lason | | | | | | | | | |
| 4,710,955 12/1/1987 | | | | auffman | | | | | | | | | |
| | 4,709,266 | Н | anas et al. | | | | | | | | | | |
| | 4,623,918 | С | homet | | | | | | | | | | |
| | 4,613,901 | G | ilhousen et al | | | | | | | | | | |
| | 4,588,991 | A | talla | | | | | | | | | | |
| | 4,567,512 | 1/28/1986 | Α | braham | | | | | | | | | |
| | 4,558,176 | 12/10/1985 | Α | rnold et al. | | | | | | | | | |
| | 4,527,195 | 7/2/1985 | C | heung | | | | | | | | | |
| | | FOREIGN PA | A T] | ENT DOCUMENT | ΓS | | | | | | | | |
| | DOCUMENT NUMBER | DATE | | COUNTRY | CLA | ASS | SUI CLA | | TR YES | ANSL | ATION NO | | |
| | EP0191162B1 | 2/3/1993 . | E | P | | | | | X | | | | |
| | EP0542298A3 | 11/13/1992 · | E | P | | | | | X | | | | |
| | JP4268844 | 9/24/1992 . | JI |) | | | | | X | | | | |
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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | | NAME | CLA | | | | L. DATE APPROP. | | | |
| | 4,465,901 | 8/14/1984 | В | est | | | | | | | | |
| | 4,423,287 | Z | eidler | | | | | | | | | |
| | 4,386,233 5/31/1983 | | | mid et al. | | | | | | | | |
| | 4,352,952 10/5/1982 | | | oone et al. | | | | | | | | |
| | 4,278,837 7/14/1981 | | | | | | | | | | | |
| | 4,278,337 | M | lashimo | | | | | | : | | | |
| | 4,225,884 | В | lock et al. | | | | | | ! | | | |
| | 4,168,396 | 9/18/1979 | В | est | | | | | | | | |
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| | JP4181282 · | 6/29/1992 | JF | | | | | X | | | | |
| | EP0459046 - | 12/4/1991 ⁻ | E | P | | | | X | · | | | |
| | JP3265241 | 11/26/1991 | JF |) | | | | X | | | | |
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| | JP3128541 | 5/31/1991 | JI |) | | | | | X | | | |
| | GB2231244 11/7/1990 | | | K | | | | | X | | | |
| | EP0391261A3 | 3/29/1990 | E | P | | | | | X | | | |
| | WO 9002382 | 3/8/1990 | P | CT | ÷ | | | | X | | | |
| | EP0341801 | 11/15/1989 | E | P | | | · | | X | | | |
| | WO8909528 | 10/5/1989 | . Po | CT | | | | | Χ. | | | |
| | JP64-061782 | 8/3/1989 | JF | • | | | | | X | | | |
| | EP0199410 | 10/29/1986 | E | P | | | | | X | | | |
| | WO8503830 | 8/29/1985 | P | CT | | | | | X | | | |
| | JP60102038 | 6/6/1985 | JF | • | | | | | X | | | |
| | EP0121853 | 10/17/1984 | E | p . | | | | | X | | | |
| | JP59169000 | 9/22/1984 | JF | | | | | | X | | | |
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